GRUNDIG

COLOR TELEVISION

MW 82-3112 MV/DOLBY

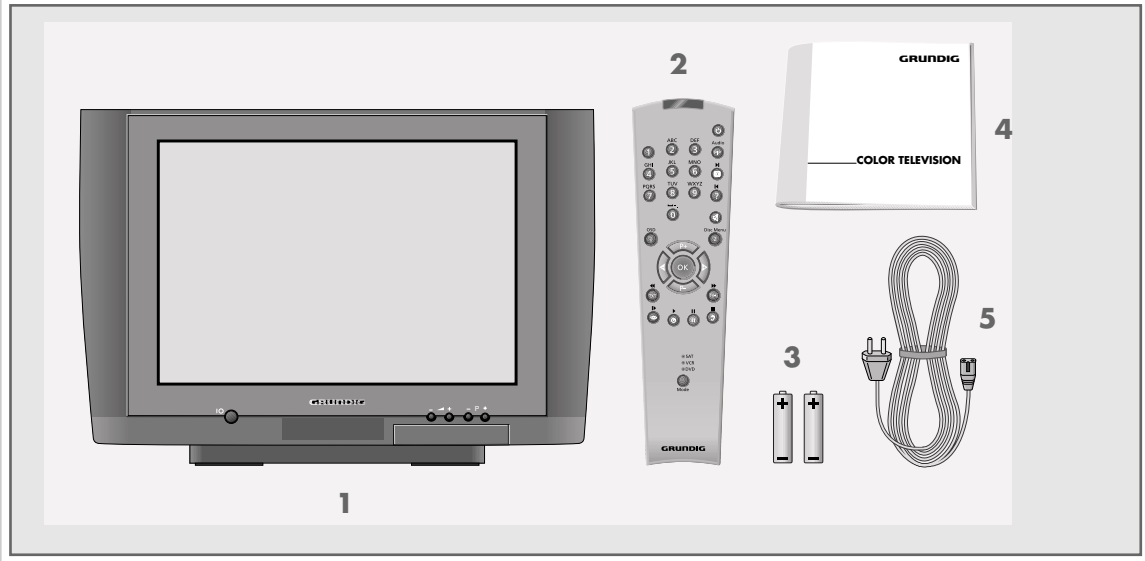
ENGLISH

DOLBY SURROUND VIRTUAL

22217-941.0400

MW 82-3112 MV/DOLBY

Scope of delivery



1 TV set
2 Remote control
3 2 batteries, 1.5 V–, Micro type
4 User manual
5 Mains cable

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SPECIAL FEATURES

Technology

82 cm Mcolour picture tube (visible picture: 76 cm);
100 Hertz technology.

GRUNDIG Megalogic

Megalogic possibilities:
– Perfect communication with a Megalogic video recorder. No troublesome programming of channel positions.
– By starting playpack on the video recorder, the video programme position on the TV set will be automatically selected.

Equipment

Virtual Dolby Surround *;
Megatext level 2.5;
Easy Dialog System;
TV-Guide;
Alphanumeric channel position selection.

Retrofit options

VGA interface for connecting a PC;
PIP - picture-in-picture;
internal satellite receiver.

* Under license from Dolby Laboratories Licensing Corporation.
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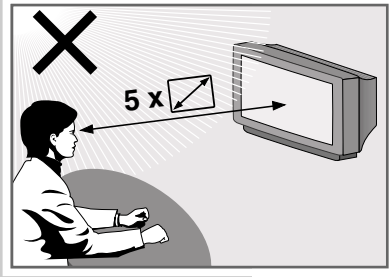
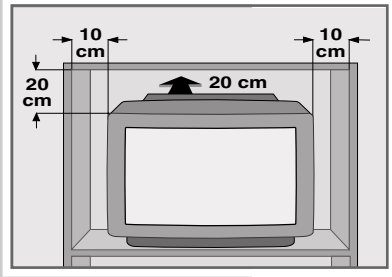
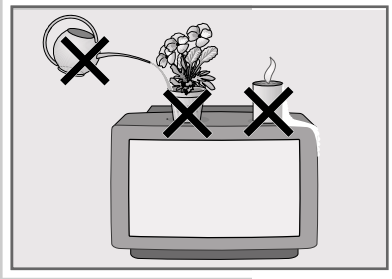
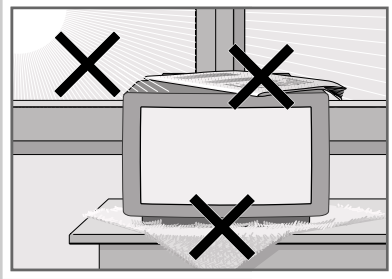
INSTALLATION AND SAFETY









In order to assure that this high-quality and easy-to-use TV set will be able to provide you with good service and pleasure for a long time to come, it is important that you observe the following points when installing the set.

This set has been designed for the reception and reproduction of picture and sound signals.
Any other use is explicitly forbidden.

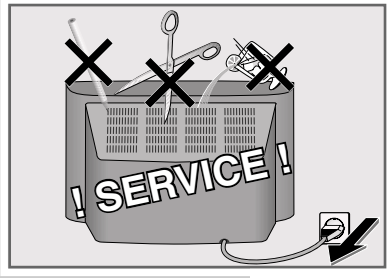
The ideal viewing distance from the screen is 5 times the diagonal width of the screen.
External light shining on the screen adversely affects picture quality.

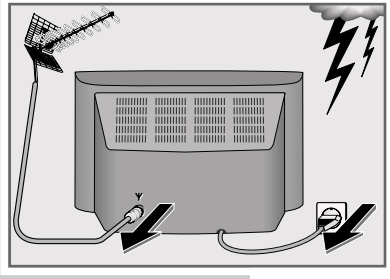
Assure that there is enough space inside a cabinet.

The TV set is designated for operation in dry rooms. Should you nevertheless operate it outside, make absolutely sure that it is protected against dampness (rain, water splashes). Never expose the TV set to any sort of moisture.

Do not place vessels filled with fluid (vases or similar things) on the TV set. The vessel may tip over and the fluid may adversely affect electrical safety.
Put the TV set on an even and hard surface. Do not place objects (for example, newspapers) on the TV set or place the set on a cloth cover, etc.

Do not place the TV set close to the heating or in direct sunshine as it could overheat.
Heat build-up can be dangerous and is detrimental to the service life of the equipment. From time to time, have a technician come to clean the inside of the set.
Keep the TV set away from magnetic fields (for example stereo speakers).





Do not open the TV set under any circumstance. The manufacturer will offer no liability for damage resulting from unauthorized tampering.

Be sure that the mains cable is not damaged at any time.

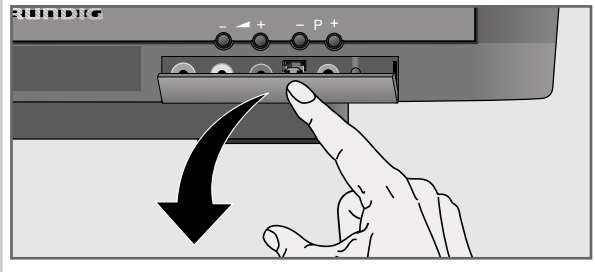
Storms represent a danger for every type of electrical device. Even if the set is switched off, it could be damaged by a lightning strike hitting the mains and/or the aerial lead. Therefore, always disconnect the mains plug and aerial plug when there is a storm.

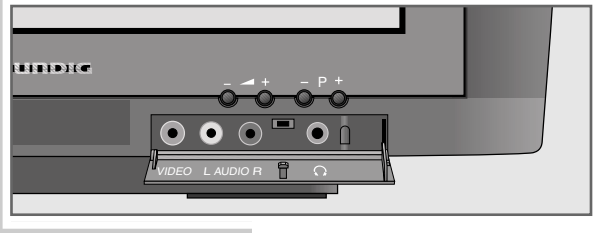
When cleaning the screen, use only a soft, damp cloth. Use only clean water.

This TV set combines technology and ecology in a well thought-out overall concept. Only ecologically high-quality materials are used. The packaging is made almost entirely of 100% recycled paper, and the portion of plastic has been reduced to a minimum. The batteries supplied have no mercury or cadmium. The number of plastic types has been reduced in order to ensure high-quality recycling when the set is put out of use – all larger plastic parts are marked.
To facilitate maintenance work and recycling, this TV set is easy to disassemble.

AT A GLANCE

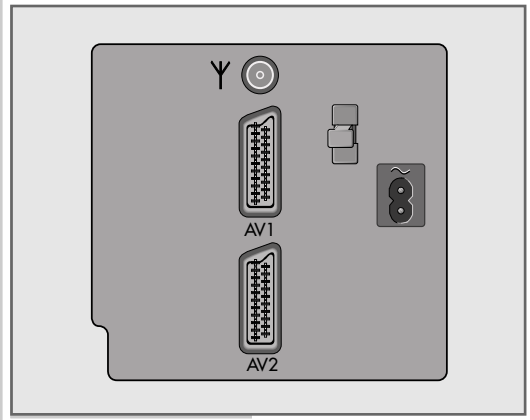
The front of the TV set





IO	Switches the TV set on/off. An LED indicates the current operating mode. **Green** = Operation. **Yellow** = Standby (TV-GUIDE mode, copy mode, Timer mode). **Red** = Standby (power saving mode, timer programmed).
– +	Volume
– P +	Channel selection
VIDEO IN	Video signal input
L AUDIO IN R	Audio signal input
∩	Headphones connector

The connectors at the rear of the TV set



Y	Aerial socket
AV 1	Euro/AV socket
AV 2	Euro/AV socket
~	Mains cable to wall outlet
	Service socket for the specialized dealer (below the cover.)

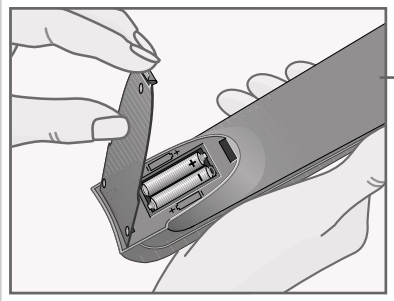
The remote control

⏻	Switches the TV set off (standby).
PIP	Double window (TV picture and teletext in the screen windows).
⊡	Picture format switching.
?	Displays the index A-Z.
1 ... 0	Channel selection and switching on from standby, alphanumeric channel selection (see page 12), entry of teletext page numbers.
🔇	Sound on/off (mute)
i	Calls up the »Easy Dialog« menu.
Z	Zap function (see page 11).
P+, P-	Switching on from standby, step-by-step channel selection, cursor up/down.
◀ ▶	Volume, cursor to the left/right.
OK	Changes and activates various functions.
TXT	Teletext mode/TV mode.
TV-G	TV-Guide, info about current programme.
👁	Calls up the »PICTURE« menu.
🕒	Clock time and channel position information on/off.
⏸	Still picture.
👂	Calls up the »SOUND« menu.
Mode	Switches to the control of the basic functions of a Grundig satellite receiver (SAT), video recorder (VCR) or DVD player (DVD). Repeatedly press »**Mode**« until the respective LED »SAT«, »VCR«, or »DVD« is lit. Then press the desired function button.

The selected mode remains active until the LED goes out. It is also possible to switch the remote control back to TV mode by pressing the »**Mode**« button.

Which functions can actually be controlled depends of course of the equipment of the connected unit. Just try it out.

Putting batteries into the remote control



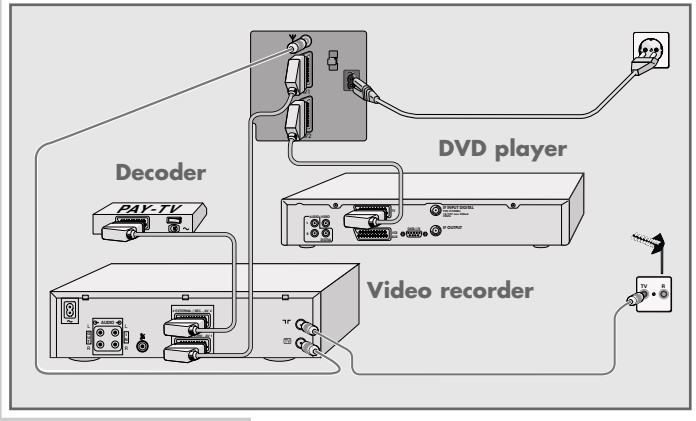
1 Open the battery compartment by pulling off the cover.

2 Insert the batteries (Micro, e.g. LR 03 or AAA, 2x 1.5V) observing correct polarity.

Note:
If your television does not react to the remote control commands correctly, then the batteries could be used up. Remove empty batteries. There is no liability for damage caused by leaking batteries.

Environmental note:
The batteries – even those free of heavy metals – cannot be disposed of in normal household rubbish. Used batteries must be disposed of in used battery collection containers in businesses or be taken to public waste disposal facilities.

Sample connection with video recorder, DVD player and decoder



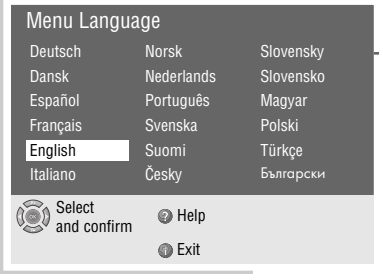
Note:
The units to be conneccted must be set up in the »Installation« menu under the »Decice sockets« menu item.
See page 10 and onwards to see how to use the Easy Dialog System.

If your video recorder is equipped with Megalogic functions, it must be connected to the »AV 1« socket of the TV set with the AV-EURO cable which was included with the video recorder.

SETTINGS

Programming TV channels

The TV set is equipped with the automatic tuning system "ATS euro plus" which carries out the channel position assignment for you.



1 After switching on the TV set, select the »English« dialog language with »**P +**, **P -**« then confirm with »**OK**«.

2 Select your country (place of installation) with »**P +**, **P -**« then confirm with »**OK**«.
- The automatic tuning system is started.
- Depending on the number of channels which can be received, the search can take one minute and more.
- When the automatic allocation of the channel positions is completed, the »Easy Dialog tips« menu appears. Via this menu you may learn how to operate your TV set.

3 Select the desired menu item with »**P -**« then press »**OK**« to call it up.

4 To switch to TV mode, select »TV« with »**P +**, **P -**« and confirm with »**OK**«.

Note:
The TV channels that have been found can be sorted as you wish. TV channels that were subsequently added can also be set.
Detailed notes can be found in the » Easy Dialog System « interactive operating instructions.

Picture and sound settings

Call up these settings with the »👁« button (picture) or »👂« button (sound).
Detailed notes can be found in the » Easy Dialog System « interactive operating instructions.

EASY DIALOG SYSTEM

The »Easy Dialog System« interactive operating instructions

Your TV set is equipped with the »Easy Dialog System« interactive operating instructions.
The many possibilities as well as settings and operation of the TV set are displayed with this interactive operating instructions by menu tables, user guides and help functions.
The printed operating instructions are used for the first installation, as well as for a general overview and are therefore very brief.

This is how the »Easy Dialog System« works

The »Easy Dialog« main menu is the control centre of your TV set.
This menu is the table of contents of the »Easy Dialog Systems«.
It is called up with »**i**«.

In the index »A bis Z«, you will find an alphabetically ordered description of all user possibilities and settings.

The individual menu items are directly called up with »**1 ... 0**« or one by one with »**P+, P-**« and confirmed with »**OK**«.

The user guide in the lower part of the menu table shows you with which buttons certain functions are called up.

If you want an explanation about the selected function, simply press »**?**«.

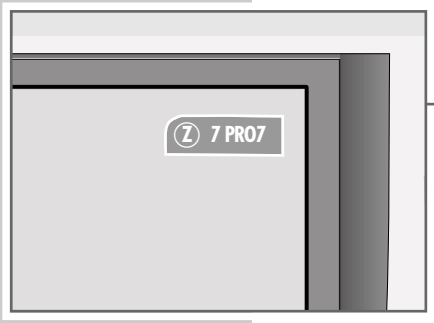
Did you accidentally press the wrong menu item? No problem, switch back to a menu with »↩«.

Have you made all your settings, or are you finished with "browsing" in the interactive operating instructions, switch to TV operation with »**i**«.

Just try it out. You can't do anything wrong.

ADDITIONAL FUNCTIONS

Zap function



With this function you may store the current channel position and switch to another one (zap).

1 Use »**1 ... 0**« or »**P+, P-**« to select the channel position you wish to store in the zap memory (e.g channel position 7, PRO7) then press »**Z**« to store it. On the picture screen appears, for example, »Z 7 PRO7«.

2 Using »**1 ... 0**« or »**P+, P-**« you now may switch to another channel position.

3 By pressing »**Z**« you may switch at any time to the stored channel position (PRO7 in the example) and switch back (zap) to the last viewed channel.

4 Press »**i**« to end the zap function. The on-screen display disappears.

Alphanumeric channel selection

You may select the channel positions directly by entering the channel name (e.g. ARD). For this, letters are assigned to the numeric buttons »**2 ... 0**«. Up to four letters can be assigned.

1 Use »**2 ... 0**« to enter the first letter of the channel name (e.g. »**2**« for the letter A). A list of all TV channels beginning with the letters »A«, »B«, or »C« appears on the picture screen.

Every entry of a further letter confines the list of channel names.

2 Use »**P+, P-** « to select the desired channel in the list then press »**OK**« to call it up.

Note:
Three methods are possible for selecting a channel position:

1. Letter entry off: The channels are only selected by entering digits.

2. Letter entry on: The channels are only selected by entering alphanumeric characters.

3. Mix: When entering a digit, the TV set switches automatically to the corresponding channel position and the channel list for assigning letters is displayed.
   Example: Press »3«. The TV set switches to channel position 3 (e.g. BR3), in addition a list of the channels beginning with »D«, »E«, or »F« is displayed.

The channel selection mode is selected in the »Installation« menu under the »Special functions« menu item. See also the notes in the Easy-Dialog system.

CUSTOMER INFORMATION

Technical data

Mains voltage:	220 – 240 V, 50/60 Hz, (control range of the power supply unit 190 … 264 V)
Power consumption:	in operation 115 W, in standby 1 W
Audio output stage:	2 x 20 Watt music power (2 x 10 Watt sine power)
Reception ranges:	C01 … C99, special channels S01 … S41

Service hints for the specialized dealer

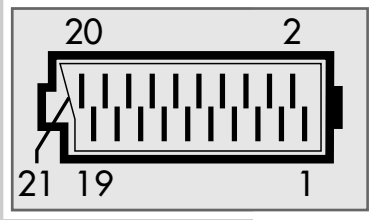
CE

The TV set may be operated only with the mains calbe set supplied. It prevents mains interference and is an integral part of the appliance approval. For replacement purposes, please order only the mains cable set with the designation "GWN 9.22/part number 8290.991-316" from an approved after-sales service.

The product meets the requirements of the following EU guidelines: 73/23/EEC guideline on electrical equipment for use with certain voltage limits. 89/336/EEC guideline on electromagnetic compatibility.

The appliance complies with the standards: EN 60065, EN 55013, EN 55020

Pin assignment for the EURO-AV socket 1



Pin		Signal	Pin		Signal
1	=	audio output right	12	=	–
2	=	audio input right	13	=	red ground
3	=	audio output left	14	=	ground
4	=	audio ground	15	=	RGB red input, (S-Video = chroma)
5	=	blue ground	16	=	RGB switching voltage
6	=	audio input left	17	=	video ground
7	=	RGB blue input	18	=	RGB switching voltage ground
8	=	switching voltage	19	=	video output
9	=	green ground	20	=	video input (S-Video = luminance)
10	=	data line (MEGALOGIC)	21	=	shielding/ground
11	=	RGB green input			

CORRECTING PROBLEMS YOURSELF

If the remedies below do not lead to a good result, contact an authorised GRUNDIG dealer.
Please consider that problems can also be caused by external appliances, such as video recorders and satellite receivers.

Problem	Possible cause	Remedy
When switching on the TV set for the first time, the menu for selecting the language not displayed.	Some of the TV channels have already been set	ATS RESET: Turn off your TV set using the main power button **L+** and press main power and turn is not displayed button at the same time and turn TV set on and off again. Then turn your TV seton again.
Bright screen(noise or blue) but no programme visible.	Aerial cable.	Aerial cable connected? Check aerial system.
Low picture contrast.	Incorrect picture settings.	Change brightness, contrast, or colour settings.
	Problem is with the broadcaster.	Test another channel.
No colour	Colour intensity is on minimum.	Adjust color upward.
	TV standard setting (if setting possibility is available).	Select proper colour standard.
	problem is with the broadcaster	Test another channel.
Colours wrong, colour spots.	Strong magnetic field from speakers (or other).	Increase distance of speaker to TV set. With permanent colour spots, switch off the TV set with the mains switch and switch back on after 10 minutes
	Terrestrial magnetic field interference	Change position of unit.
Sound unclear	Sound setting.	Correct sound setting.

CORRECTING PROBLEMS YOURSELF

Problem	Possible cause	Remedy
Double image, reflection.	Channel setting	Automatic or manual channel setting/fine tuning
	Aerial	Have aerial cable or device checked
Picture is there, no sound.	Volume at minimum or speakers switched off.	Increase/switch on volume.
	Volume regulation activated via audio cinch socket (if this possibility is available).	Select sound output via speaker.
	Problem is with the broadcaster.	Test another channel.
Poor picture, poor sound.	Incorrect picture and sound settings.	Set picture and sound, call up factory presettings by pressing »i«, »👁«, «OK« at the same time.
Poor or no Teletext.	TV channel (has no Teletext) or check aerial system.	Check with another channel, possibly double image or reflection, or fine tuning.
	transmission signal too weak (picture noisy).	Check aerial system.
Remote control does not work.	No optical connection.	Point remote control at the TV set.
	Remote control batteries.	Check or replace the batteries, pay attention to polarity.
Picture is dark, TV set has switched itself off	undefined operating status	Turn your TV set off for approx. 2 min. using the main power button
After switching on, "child lock" appears on the menu.	Child lock is activated.	Enter secret number or number combination 7038580.
Wrong menu language.	Wrong menu language selected.	Call up the »Language« menu by pressing »i«, »5«, «1« at the same time and select correct language.

Additional Information for Units sold in Great Britain

Units sold in GB are suitable for operation from a 240 V AC, 50 Hz mains supply. In case this appliance is supplied with a Safety Standard Approved mains lead fitted with a non-rewireable 13 Amp mains plug which, if unsuitable for your socket, should be cut off and an appropriate plug fitted by a qualified electrician. The fuse and fuse holder must be removed from the plug as accidental insertion of the redundant plug into a 13 Amp socket is likely to cause an electrical hazard.

Note:

The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.
If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5 Amp ASTA or BSI approved BS 1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.
If a non-rewireable plug or a rewireable 13 Amp (BS 1363) plug is used, it must be fitted with a 5 Amp ASTA or BSI approved BS 1362 fuse. If any other type of plug is used it must be protected by a 5 Amp fuse either in the plug or at the distribution board.

Important:

The wires in the mains lead are coloured in accordance with the following code:

BLUE – NEUTRAL

BROWN – LIVE

As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows:

Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.

Connect the BROWN coloured wire to the plug terminal marked with a letter "L" or coloured red.

In no circumstance must any of the wires be connected to the terminal marked with a letter "E", earth symbol ⏚, coloured green or green and yellow.

Replacement mains lead can be obtained from your dealer.